

FIG. 1

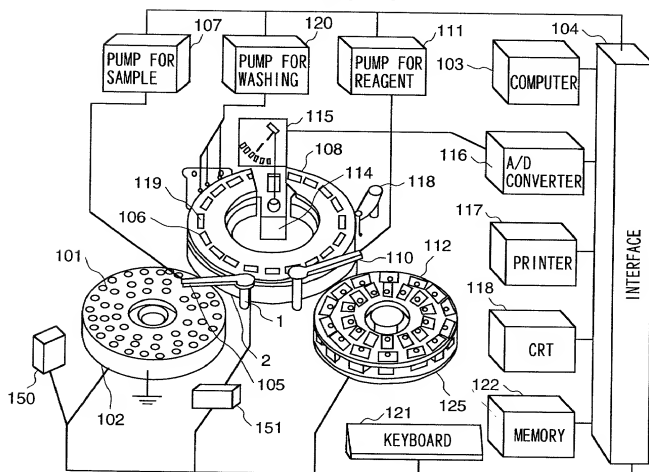


FIG. 2

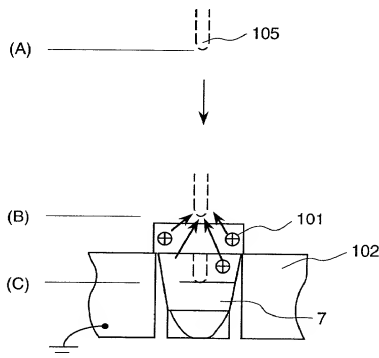
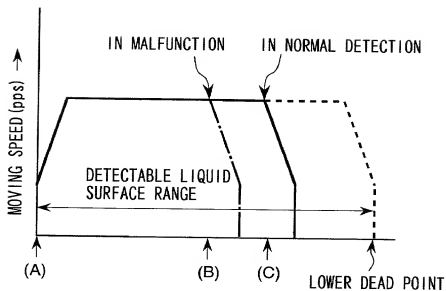


FIG. 3



PRIOR ART

FIG. 4

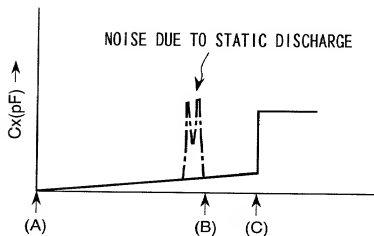


FIG. 5

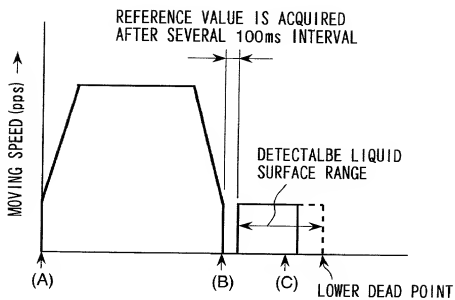


FIG. 6

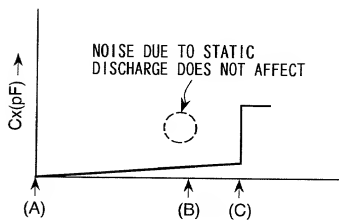


FIG. 7

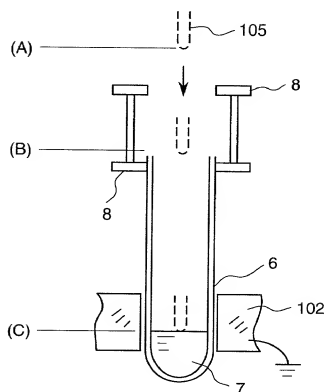


FIG. 8

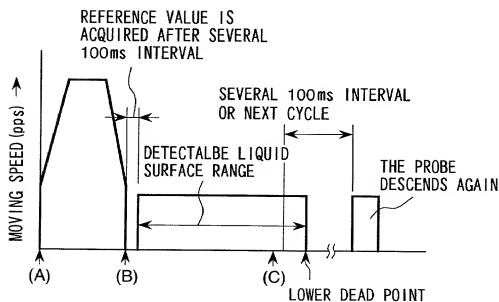


FIG. 9

AFTER THE PROBE CEASES TO DESCEND, THE CAPACITANCE IS MONITORED FOR A SPECIFIED LENGTH OF TIME. THE PROBE DESCENDS AGAIN IF THE CAPACITANCE DETECTED HAS DECREASED.

